

## SEQUENCE LISTING

<110> Anderson, Christen M.  
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<120> PRODUCTION OF ADENINE NUCLEOTIDE TRANSLOCATOR (ANT),  
 NOVEL ANT LIGANDS AND SCREENING ASSAYS THEREFOR

<130> 660088.420D1

<140> US

<141> 2001-03-14

<160> 37

<170> FastSEQ for Windows Version 3.0

<210> 1

<211> 894

<212> DNA

<213> Homo sapien

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gccagcaaac	agatcagtc	tgagaagcag	tacaaaggga	tcattgattg	tgtggtgaga	180
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gcaaaagacg	aaggagccaa	ggccttcttc	aaaggtgcct	ggtccaatgt	gctgagagggc	840
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<212> DNA

<213> Homo sapien

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gccagcaagc	agatcactgc	agataagcaa	tacaaaggca	ttatagactg	cgtgggtccgt	180
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tacttcccca	cccaggctct	taacttcgcc	ttcaaagata	aatacaagca	gatcttcctg	300
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gccagcaagc	agatcgccgc	cgacaagcag	tacaagggca	tcgtggactg	cattgtccgc	180
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cagtcggggc	gcaaaggagc	tgacatcatg	tacacgggca	ccgtcgactg	ttggaggag	780
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 aaatgataac catctcgc 18  
  
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<400> 25  
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<210> 26  
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<400> 26

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<210> 29  
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<400> 29  
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<210> 30  
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<220>  
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<400> 30  
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<210> 31  
 <211> 297  
 <212> PRT  
 <213> Homo sapien

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Lys Leu Leu Leu Gln Val Gln His Ala Ser Lys Gln Ile Ser Ala Glu  
           35                  40                  45  
 Lys Gln Tyr Lys Gly Ile Ile Asp Cys Val Val Arg Ile Pro Lys Glu  
       50                  55                  60  
 Gln Gly Phe Leu Ser Phe Trp Arg Gly Asn Leu Ala Asn Val Ile Arg  
 65                  70                  75                  80  
 Tyr Phe Pro Thr Gln Ala Leu Asn Phe Ala Phe Lys Asp Lys Tyr Lys  
           85                  90                  95  
 Gln Leu Phe Leu Gly Gly Val Asp Arg His Lys Gln Phe Trp Arg Tyr  
           100                  105                  110  
 Phe Ala Gly Asn Leu Ala Ser Gly Gly Ala Ala Gly Ala Thr Ser Leu  
       115                  120                  125  
 Cys Phe Val Tyr Pro Leu Asp Phe Ala Arg Thr Arg Leu Ala Ala Asp  
 130                  135                  140  
 Val Gly Arg Arg Ala Gln Arg Glu Phe His Gly Leu Gly Asp Cys Ile  
 145                  150                  155                  160  
 Ile Lys Ile Phe Lys Ser Asp Gly Leu Arg Gly Leu Tyr Gln Gly Phe  
           165                  170                  175  
 Asn Val Ser Val Gln Gly Ile Ile Ile Tyr Arg Ala Ala Tyr Phe Gly  
       180                  185                  190  
 Val Tyr Asp Thr Ala Lys Gly Met Leu Pro Asp Pro Lys Asn Val His  
       195                  200                  205  
 Ile Phe Val Ser Trp Met Ile Ala Gln Ser Val Thr Ala Val Ala Gly  
       210                  215                  220  
 Leu Leu Ser Tyr Pro Phe Asp Thr Val Arg Arg Arg Met Met Met Gln  
 225                  230                  235                  240  
 Ser Gly Arg Lys Gly Ala Asp Ile Met Tyr Thr Gly Thr Val Asp Cys  
           245                  250                  255  
 Trp Arg Lys Ile Ala Lys Asp Glu Gly Ala Lys Ala Phe Phe Lys Gly  
       260                  265                  270  
 Ala Trp Ser Asn Val Leu Arg Gly Met Gly Gly Ala Phe Val Leu Val  
       275                  280                  285  
 Leu Tyr Asp Glu Ile Lys Lys Tyr Val  
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<210> 32  
 <211> 298  
 <212> PRT  
 <213> Homo sapien

<400> 32

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           20                  25                  30  
 Lys Leu Leu Leu Gln Val Gln His Ala Ser Lys Gln Ile Thr Ala Asp  
       35                  40                  45  
 Lys Gln Tyr Lys Gly Ile Ile Asp Cys Val Val Arg Ile Pro Lys Glu  
       50                  55                  60  
 Gln Glu Val Leu Ser Phe Trp Arg Gly Asn Leu Ala Asn Val Ile Arg  
 65                  70                  75                  80  
 Tyr Phe Pro Thr Gln Ala Leu Asn Phe Ala Phe Lys Asp Lys Tyr Lys  
           85                  90                  95  
 Gln Ile Phe Leu Gly Gly Val Asp Lys Arg Thr Gln Phe Trp Arg Tyr  
           100                  105                  110  
 Phe Ala Gly Asn Leu Ala Ser Gly Gly Ala Ala Gly Ala Thr Ser Leu  
       115                  120                  125



Cys Phe Val Tyr Pro Leu Asp Phe Ala Arg Thr Arg Leu Ala Ala Asp  
 130 135 140  
 Val Gly Lys Ala Gly Ala Glu Arg Glu Phe Arg Gly Leu Gly Asp Cys  
 145 150 155 160  
 Leu Val Lys Ile Tyr Lys Ser Asp Gly Ile Lys Gly Leu Tyr Gln Gly  
 165 170 175  
 Phe Asn Val Ser Val Gln Gly Ile Ile Ile Tyr Arg Ala Ala Tyr Phe  
 180 185 190  
 Gly Ile Tyr Asp Thr Ala Lys Gly Met Leu Pro Asp Pro Lys Asn Thr  
 195 200 205  
 His Ile Val Ile Ser Trp Met Ile Ala Gln Thr Val Thr Ala Val Ala  
 210 215 220  
 Gly Leu Thr Ser Tyr Pro Phe Asp Thr Val Arg Arg Arg Met Met Met  
 225 230 235 240  
 Gln Ser Gly Arg Lys Gly Thr Asp Ile Met Tyr Thr Gly Thr Leu Asp  
 245 250 255  
 Cys Trp Arg Lys Ile Ala Arg Asp Glu Gly Gly Lys Ala Phe Phe Lys  
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 Gly Ala Trp Ser Asn Val Leu Arg Gly Met Gly Gly Ala Phe Val Leu  
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 Val Leu Tyr Asp Glu Ile Lys Lys Tyr Thr  
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<210> 33

<211> 298

<212> PRT

<213> Homo sapien

<400> 33

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 35 40 45  
 Lys Gln Tyr Lys Gly Ile Val Asp Cys Ile Val Arg Ile Pro Lys Glu  
 50 55 60  
 Gln Gly Val Leu Ser Phe Thr Arg Gly Asn Leu Ala Asn Val Ile Arg  
 65 70 75 80  
 Tyr Phe Pro Thr Gln Ala Leu Asn Phe Ala Phe Lys Asp Lys Tyr Lys  
 85 90 95  
 Gln Ile Phe Leu Gly Gly Val Asp Lys His Thr Gln Phe Trp Arg Tyr  
 100 105 110  
 Phe Ala Gly Asn Leu Ala Ser Gly Gly Ala Ala Gly Ala Thr Ser Leu  
 115 120 125  
 Cys Phe Val Tyr Pro Leu Asp Phe Ala Arg Thr Arg Leu Ala Ala Asp  
 130 135 140  
 Val Gly Lys Ser Gly Thr Glu Arg Glu Phe Arg Gly Leu Gly Asp Cys  
 145 150 155 160  
 Leu Val Lys Ile Thr Lys Ser Asp Gly Ile Arg Gly Leu Tyr Gln Gly  
 165 170 175  
 Phe Ser Val Ser Val Gln Gly Ile Ile Ile Tyr Arg Ala Tyr Phe  
 180 185 190  
 Gly Val Tyr Asp Thr Ala Lys Gly Met Leu Pro Asp Pro Lys Asn Thr  
 195 200 205  
 His Ile Val Val Ser Trp Met Ile Ala Gln Thr Val Thr Ala Val Ala  
 210 215 220

Gly Val Val Ser Tyr Pro Phe Asp Thr Val Arg Arg Arg Met Met Met  
 225 230 235 240  
 Gln Ser Gly Arg Lys Gly Ala Asp Ile Met Tyr Thr Gly Thr Val Asp  
 245 250 255  
 Cys Trp Arg Lys Ile Phe Arg Asp Glu Gly Gly Lys Ala Phe Phe Lys  
 260 265 270  
 Gly Ala Trp Ser Asn Val Leu Arg Gly Met Gly Gly Ala Phe Val Leu  
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 Val Leu Tyr Asp Glu Leu Lys Lys Val Ile  
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